

Report Date: 14 Apr 2014

**Summary Report for Individual Task
551-88K-4720
Conduct Vessel Operations Using a Pilloting Team
Status: Approved**

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DESTRUCTION NOTICE: None

Condition: Assigned as a Watch Officer onboard a class A2 vessel, given a complete risk assessment, an Operational Plan/Operations Order (OPLAN/OPORDER), AR 56-9, Dutton's Navigation and Piloting, Knight's Modern Seamanship, Pub No. 9, and TC 4-15.51 in all weather conditions, day or night, in an operational environment scenario. Some iterations of this task should be performed in MOPP. Some iterations of this task should be performed in MOPP 4.

Standard: Direct vessel operations using a piloting team for vessel navigation, IAW references.

Special Condition: None

Safety Level: Low

MOPP: Sometimes

Task Statements

Cue: None

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: None

Performance Steps

1. Determine the amount of personnel available to serve on the piloting team.
2. Assign navigational duties to the piloting team.
 - a. Assign navigator duties to a member of the piloting team.
 - b. Assign look-out duties to members of the piloting team.
 - c. Assign helmsman duties to a member of the piloting team.
 - d. Assign Radar and ECDIS observer duties to a member of the piloting team.
3. Determine the vessel to be piloted physical characteristics.
 - a. Determine length overall.
 - b. Determine width overall.
 - c. Determine draft, fore and aft.
 - d. Determine number and type of propellers.
 - e. Determine if the vessel has an operational bow thruster.
 - f. Determine vessel call sign and radio procedures.
 - g. Determine ships maneuvering/handling characteristics, stopping distances and turning radius.
 - h. Determine ships minimum and maximum speeds.
4. Identify steps to be taken prior to moving the vessel.
 - a. Conduct Pre-sail checks on vessel.
 - b. Conduct propulsion checks.
 - c. Identify key players, crew manning and line handling procedures.
 - d. Determine how commands and orders are to be passed.
5. Identify critical factors affecting the maneuverability of the vessels.
 - a. Identify current velocity and direction.
 - b. Identify Height of Tide.
 - c. Identify wind velocity and direction.
 - d. Identify sea condition.

6. Conduct a voyage briefing prior to getting underway to ensure all personnel know and understand their roles.
7. Navigate or set sail with the piloting team at their assigned stations.
8. Determine the position of the vessel at regular intervals by obtaining fixes, to maintain the vessel in safe water.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the soldier a GO if all performance measures are correctly completed/pass (P). Score the Soldier a NO-GO if any of the performance measures are missed or incorrectly performed/fail (F).

Evaluation Preparation: Test this task in conjunction with the Vessel Operations assessment. Ensure Soldier understands why this task is important to the overall safe navigation of the vessel.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Determined the amount of personnel available to serve on the piloting team.			
2. Assigned navigational duties to the piloting team.			
3. Determined the vessel to be piloted physical characteristics.			
4. Identified steps to be taken prior to moving the vessel.			
5. Identified critical factors affecting the maneuverability of the vessel.			
6. Conducted a voyage briefing prior to getting underway to ensure all personnel know and understand their roles.			
7. Navigated or set sail with the piloting team at their assigned stations.			
8. Determined the position of the vessel at regular intervals by obtaining fixes, to maintain the vessel in safe water.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	FM 55-17	(Superseded) CARGO SPECIALISTS' HANDBOOK	No	No
	TC 4-15.51	MARINE CREWMAN'S HANDBOOK	Yes	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste.

Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take. Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure the following environmental programs are in place and are being maintained: -Hazardous materials program.

- -Hazardous waste program.
- -Hazardous communications program.
- -Pollution prevention and hazardous waste minimization recycling program
- -Spill prevention and response plan program.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines

IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard.

Accidents are an unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- (a) Take personal responsibility.
- (b) Practice safe operations.
- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-3706	Monitor a Vessel Electronic Gyro System	551 - Transportation (Individual)	Approved
551-88K-3708	Monitor Navigational Duties Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3710	Comply With Aids to Navigation Standards	551 - Transportation (Individual)	Approved
551-88K-3510	Monitor Rescue Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3511	Monitor Watch Standing Procedures Onboard a Vessel	551 - Transportation (Individual)	Approved

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-3515	Enforce Vessel Pre-Sail Requirements	551 - Transportation (Individual)	Approved
551-88K-3705	Monitor Operations of High Frequency Radios System Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3708	Monitor Navigational Duties Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3510	Monitor Rescue Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3511	Monitor Watch Standing Procedures Onboard a Vessel	551 - Transportation (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-3709	Enforce Navigational Rules Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3704	Monitor Emergency Radio Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3507	Monitor Inland Towing Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3512	Monitor Vessel Anchoring Operations	551 - Transportation (Individual)	Approved
551-88K-3510	Monitor Rescue Operations Onboard a Vessel	551 - Transportation (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-0008	Conduct Watercraft Salvage Operations	55 - Transportation (Collective)	Approved

55-2-0044	Recover Disable Vessel with Large Tug.	55 - Transportation (Collective)	Approved
55-2-0008	Conduct Watercraft Salvage Operations	55 - Transportation (Collective)	Proposed
55-2-0080	Provide Operational Control for Vessels	55 - Transportation (Collective)	Approved
55-2-0042	Plan Vessel Towing Operations.	55 - Transportation (Collective)	Approved
55-2-0043	Pass Ocean Tow to a Harbor Tug.	55 - Transportation (Collective)	Approved
55-2-0045	Perform Ship Assist Operations.	55 - Transportation (Collective)	Approved
55-2-0046	Conduct Firefighting Operations	55 - Transportation (Collective)	Approved
55-2-0047	Perform Search and Rescue Operations	55 - Transportation (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88K Watercraft Operator SL 4	Enlisted	MOS: 88K, Skill Level: SL4, Duty Pos: TFJ